

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Currently Amended) An apparatus comprising:
 - a thermally conductive plate to be placed in contact with a heat generating device; and
 - a fluid loop coupled to the plate to circulate fluid and have the fluid absorb heat from the plate, the fluid containing magnetic nanoparticles; and - a magnetic pump to circulate the fluid through the fluid loop.
2. (Original) The apparatus of claim 1, wherein the fluid loop is coupled to a heat exchanger.
3. (Canceled)
4. (Canceled)

5. (Currently Amended) The apparatus of claim 14, wherein the magnetic pump is an electro-magnetic pump.

6. (Canceled)

7. (Original) The apparatus of claim 1, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

8. (Canceled)

9. (Currently Amended) The apparatus of claim 14, wherein the fluid loop is a single phase fluid loop.

10. (Currently Amended) The apparatus of claim 14, wherein the fluid loop is a two phase fluid loop.

11. (Original) The apparatus of claim 1, wherein the fluid is deionized water.

12. (Currently Amended) The apparatus of claim 14, wherein the heat generating device is selected from a group comprising of a processor, a chipset, a

graphics controller, and a memory controller.

13. (Currently Amended) A system comprising:

a heat generating device;

a thermally conductive plate in thermal contact with the heat generating device; ~~and~~

a fluid loop coupled to the plate to circulate fluid and have the fluid absorb heat from the plate, the fluid containing magnetic nanoparticles; ~~and~~
a magnetic pump to circulate the fluid through the fluid loop.

14. (Original) The system of claim 12, wherein the fluid loop is coupled to a heat exchanger.

15. (Canceled)

16. (Canceled)

17. (Currently Amended) The system of claim 136, wherein the magnetic pump is an electro-magnetic pump.

18. (Canceled)

19. (Currently Amended) The system of claim 135, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

20. (Canceled)

21. (Currently Amended) The system of claim 126, wherein the fluid loop is a single phase fluid loop.

22. (Currently Amended) The system of claim 126, wherein the fluid loop is a two phase fluid loop.

23. (Original) The apparatus of claim 12, wherein the fluid is deionized water.

24. (Currently Amended) The system of claim 126, wherein the heat generating device is selected from a group comprising of a processor, a chipset, a graphics controller, and a memory controller.

25. (Currently Amended) An apparatus comprising:

a thermally conductive plate to be placed in contact with a heat generating device;

a fluid loop coupled to the plate to circulate the fluid and have the fluid absorb heat from the plate, the fluid containing magnetic nanoparticles;

and an electro-magnetic pump to circulate the fluid through the fluid loop.

26. (Original) The apparatus of claim 25, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

27. (Canceled)

28. (Original) The apparatus of claim 25, wherein the heat generating device is selected from a group comprising of a processor, a chipset, a graphics controller, and a memory controller.